

L1 108 S (AUTOMATIC?) (3A) (CONFIGURATION) (3A) (NETWORK)  
 L2 404 S (ASSIGN? OR DESIGNAT?) (3A) (IP ADDRESS)  
 L3 49 S L2(P) (MAC OR PHYSICAL ADDRESS)  
 L4 2 S L1 AND L3  
 L5 424 S (ASSIGN? OR DESIGNAT? OR DETERMIN?) (3A) (NETWORK ADDRESS)  
 L6 3 S L5(3A) (AUTOMATIC?)  
 L7 6 S (MAC) (P) (IP ADDRESS) (P) (NAMES)

=> d 13 1-

YOU HAVE REQUESTED DATA FROM 49 ANSWERS - CONTINUE? Y/(N):y

L3 ANSWER 1 OF 49 USPATFULL  
 AN 2001:99991 USPATFULL  
 TI Method and communication system in wireless AD HOC networks  
 IN Rune, Johan, Lidingo, Sweden  
 PI US 2001005368 A1 20010628  
 AI US 2000-729991 A1 20001206 (9)  
 PRAI SE 1999-850191 19991206  
 DT Utility  
 FS APPLICATION  
 LN.CNT 1045  
 INCL INCLM: 370/390.000  
 INCLS: 370/338.000; 370/475.000; 370/401.000; 370/432.000; 370/469.000  
 NCL NCLM: 370/390.000  
 NCLS: 370/338.000; 370/475.000; 370/401.000; 370/432.000; 370/469.000  
 IC [7]  
 ICM: H04L012-28  
 ICS: H04L012-56; H04J003-16

L3 ANSWER 2 OF 49 USPATFULL  
 AN 2001:94585 USPATFULL  
 TI Internet protocol (IP) work group routing  
 IN Dobbins, Kurt A., Bedford, NH, United States  
 Cullerot, David L., Manchester, NH, United States  
 Negus, Stephen H., Winhdam, NH, United States  
 Haggerty, William T., Dunstable, MA, United States  
 PA Cabletron Systems, Inc., Rochester, NH, United States (U.S. corporation)  
 PI US 6249820 B1 20010619  
 AI US 1998-73557 19980506 (9)  
 RLI Continuation of Ser. No. US 1995-501324, filed on 12 Jul 1995, now patented, Pat. No. US 5751971  
 DT Utility  
 FS GRANTED  
 LN.CNT 1026  
 INCL INCLM: 709/238.000  
 INCLS: 709/249.000  
 NCL NCLM: 709/238.000  
 NCLS: 709/249.000  
 IC [7]  
 ICM: G06F015-173  
 EXF 709/238; 709/239; 709/245; 709/249; 709/250; 370/351; 370/401; 370/409

L3 ANSWER 3 OF 49 USPATFULL  
 AN 2001:87375 USPATFULL  
 TI Integrated communication system of voice and data  
 IN Yamamoto, Kunio, Kanagawa, Japan  
 PA Fujitsu Limited, Kawasaki, Japan (non-U.S. corporation)

PI US 6246679 B1 20010612  
AI US 1998-121196 19980722 (9)  
PRAI JP 1998-62541 19980313  
DT Utility  
FS GRANTED  
LN.CNT 935  
INCL INCLM: 370/352.000  
INCLS: 370/395.000; 370/404.000; 370/524.000; 379/088.170; 379/093.070  
NCL NCLM: 370/352.000  
NCLS: 370/395.000; 370/404.000; 370/524.000; 379/088.170; 379/093.070  
IC [7]  
ICM: H04Q011-04  
ICS: H04L012-28; H04L012-46; H04M011-06  
EXF 370/352; 370/353; 370/354; 370/389; 370/395; 370/401; 370/402; 370/403;  
370/404; 370/463; 370/468; 370/522; 370/524; 370/535; 379/88.17;  
379/93.01; 379/93.05; 379/93.06; 379/93.07; 379/93.09; 379/93.14;  
379/93.15; 379/201; 379/219; 379/220

L3 ANSWER 4 OF 49 USPATFULL  
AN 2001:80484 USPATFULL  
TI Method and system for managing addresses for network host interfaces in  
a data-over-cable system  
IN Fijolek, John G., Naperville, IL, United States  
Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6240464 B1 20010529  
AI US 1998-18780 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 1964  
INCL INCLM: 709/250.000  
INCLS: 709/238.000; 370/351.000  
NCL NCLM: 709/250.000  
NCLS: 370/351.000; 709/238.000  
IC [7]  
ICM: G06F015-16  
ICS: G06F015-173  
EXF 707/10; 707/104; 395/200.33; 395/200.38; 395/200.47; 348/5.5; 348/6;  
709/220; 709/250; 709/238; 709/218; 713/201; 370/351

L3 ANSWER 5 OF 49 USPATFULL  
AN 2001:61238 USPATFULL  
TI Method and system for providing quality-of-service in a data-over-cable  
system using configuration protocol messaging  
IN Fijolek, John G., Naperville, IL, United States  
Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6223222 B1 20010424  
AI US 1998-79322 19980514 (9)  
DT Utility  
FS Granted  
LN.CNT 2712  
INCL INCLM: 709/227.000  
INCLS: 370/236.000  
NCL NCLM: 709/227.000  
NCLS: 370/236.000  
IC [7]  
ICM: G06F015-16  
EXF 713/1; 713/201; 709/217-220; 709/222; 709/225; 709/227; 709/232;  
709/237; 709/238; 370/229; 370/230; 370/235; 370/236; 370/254; 370/351;  
710/8; 710/10; 710/11

L3 ANSWER 6 OF 49 USPATFULL  
AN 2001:53390 USPATFULL  
TI Cable modem control method giving priority to packets from the cable  
head end over packets from the subscriber LAN

IN Isono, Hiroaki Kanagawa, Japan  
Nishimura, Toshio Kanagawa, Japan  
PA Sony Corporation, Tokyo, Japan (non-U.S. corporation)  
PI US 6216171 B1 20010410  
AI US 1998-21828 19980211 (9)  
PRAI JP 1997-28690 19970213  
DT Utility  
FS Granted  
LN.CNT 590  
INCL INCLM: 709/250.000  
INCLS: 370/463.000; 375/222.000  
NCL NCLM: 709/250.000  
NCLS: 370/463.000; 375/222.000  
IC [7]  
ICM: G06F015-16  
ICS: H04L012-66; H04B001-38  
EXF 348/6; 348/12; 455/4.2; 455/5.1; 709/203; 709/207; 709/250; 710/40;  
370/463; 375/222; 375/257

L3 ANSWER 7 OF 49 USPATFULL  
AN 2001:30837 USPATFULL  
TI Headend provisioning agent  
IN Bahlmann, Bruce F., White Bear Lake, MN, United States  
PA MediaOne Group, Inc., Englewood, CO, United States (U.S. corporation)  
PI US 6195689 B1 20010227  
AI US 1999-305680 19990505 (9)  
DT Utility  
FS Granted  
LN.CNT 1560  
INCL INCLM: 709/217.000  
NCL NCLM: 709/217.000  
IC [7]  
ICM: G06F013-00  
EXF 709/200; 709/201; 709/203; 709/206; 709/207; 709/212; 709/213; 709/214;  
709/216; 709/217; 709/218; 709/219; 709/220; 709/221; 379/201

L3 ANSWER 8 OF 49 USPATFULL  
AN 2001:23542 USPATFULL  
TI Method for authentication of network devices in a data-over cable  
system  
IN Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6189102 B1 20010213  
AI US 1998-85585 19980527 (9)  
DT Utility  
FS Granted  
LN.CNT 2243  
INCL INCLM: 713/201.000  
INCLS: 709/201.000; 709/223.000; 709/230.000; 709/245.000  
NCL NCLM: 713/201.000  
NCLS: 709/201.000; 709/223.000; 709/230.000; 709/245.000  
IC [7]  
ICM: G06F011-30  
EXF 713/201; 713/200; 709/200; 709/201; 709/202; 709/203; 709/217; 709/218;  
709/219; 709/220; 709/222; 709/223; 709/224; 709/227; 709/228; 709/229;  
709/230; 709/231; 709/232; 709/245; 709/249; 709/250

L3 ANSWER 9 OF 49 USPATFULL  
AN 2001:23134 USPATFULL  
TI Multicast domain virtual local area network  
IN Barkai, Sharon, Shoham, Israel  
Bar-Eli, Eldad, Ramat Hasharon, Israel  
Shamir, Yoram, Kiriat Ono, Israel  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6188691 B1 20010213  
AI US 1998-39725 19980316 (9)

DT Utility  
FS Granted  
LN.CNT 518  
INCL INCLM: 370/390.000  
INCLS: 370/397.000; 370/399.000; 370/409.000  
NCL NCLM: 370/390.000  
NCLS: 370/397.000; 370/399.000; 370/409.000  
IC [7]  
ICM: H04L012-28  
EXF 370/390; 370/392; 370/397; 370/399; 370/401; 370/409

L3 ANSWER 10 OF 49 USPATFULL  
AN 2001:19865 USPATFULL  
TI Method and system for cable modem management of a data-over-cable system  
IN Fijolek, John G., Naperville, IL, United States  
Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6185624 B1 20010206  
AI US 1998-18404 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 1828  
INCL INCLM: 709/239.000  
INCLS: 709/217.000; 709/218.000; 709/223.000; 370/401.000; 370/410.000;  
379/093.160  
NCL NCLM: 709/239.000  
NCLS: 370/401.000; 370/410.000; 709/217.000; 709/218.000; 709/223.000  
IC [7]  
ICM: G06F015-173  
ICS: G06F015-16  
EXF 709/217; 709/218; 709/219; 709/222; 709/223; 709/224; 709/225; 709/226;  
709/203; 709/230; 709/239; 709/335; 340/286.02; 345/335; 364/242;  
379/93.16; 370/401; 370/402; 370/403; 370/410; 380/21-24

L3 ANSWER 11 OF 49 USPATFULL  
AN 2001:2741 USPATFULL  
TI Method and system for secure cable modem registration  
IN Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6170061 B1 20010102  
AI US 1998-18372 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 2211  
INCL INCLM: 713/201.000  
INCLS: 713/151.000; 713/170.000; 380/257.000  
NCL NCLM: 713/201.000  
NCLS: 380/257.000; 713/151.000; 713/170.000  
IC [7]  
ICM: H04L009-00  
EXF 713/201; 713/162; 713/181; 713/151; 713/153; 713/154; 713/160; 713/170;  
713/161; 380/256; 380/257; 380/266; 379/93.01

L3 ANSWER 12 OF 49 USPATFULL  
AN 2000:175677 USPATFULL  
TI Establishing connectivity in networks  
IN McNeill, Thomas G., Orem, UT, United States  
Ekstrom, Joseph J., Lindon, UT, United States  
Moss, Stephen S., Lindon, UT, United States  
PA VPNX.com, Inc., Lindon, UT, United States (U.S. corporation)  
PI US 6167052 20001226  
AI US 1998-67761 19980427 (9)  
DT Utility  
FS Granted  
LN.CNT 1435

INCL INCLM: 370/399.000  
INCLS: 370/401.000  
NCL NCLM: 370/399.000  
NCLS: 370/401.000  
IC [7]  
ICM: H04L012-66  
EXF 379/901; 395/200.68; 370/397; 370/399; 370/409; 370/401; 709/238

L3 ANSWER 13 OF 49 USPATFULL  
AN 2000:151533 USPATFULL  
TI Apparatus and method for installing software and recording medium  
storing program for realizing the method  
IN Matsukura, Ryuichi, Kanagawa, Japan  
Sasaki, Kazuo, Kanagawa, Japan  
Watanabe, Satoru, Kanagawa, Japan  
Obata, Akihiko, Kanagawa, Japan  
Okahara, Tohru, Osaka, Japan  
PA Fujitsu Limited, Kawasaki, Japan (non-U.S. corporation)  
PI US 6145126 20001107  
AI US 1998-60348 19980415 (9)  
PRAI JP 1997-340902 19971211  
DT Utility  
FS Granted  
LN.CNT 1767  
INCL INCLM: 717/011.000  
INCLS: 709/201.000; 709/220.000; 709/223.000; 707/700.000  
NCL NCLM: 717/011.000  
NCLS: 709/201.000; 709/220.000; 709/223.000  
IC [7]  
ICM: G06F009-445  
ICS: G06F015-16; G06F015-177; G06F015-173; G06F012-00  
EXF 395/712; 707/200; 717/11; 709/201

L3 ANSWER 14 OF 49 USPATFULL  
AN 2000:132763 USPATFULL  
TI Network connecting apparatus  
IN Oura, Tetsuo, Yokohama, Japan  
Ikeda, Naoya, Ebima, Japan  
PA Hitachi, Ltd., Tokyo, Japan (non-U.S. corporation)  
PI US 6128294 20001003  
AI US 1997-829238 19970331 (8)  
PRAI JP 1996-83546 19960405  
DT Utility  
FS Granted  
LN.CNT 857  
INCL INCLM: 370/389.000  
INCLS: 370/392.000; 370/469.000; 709/245.000; 340/825.070  
NCL NCLM: 370/389.000  
NCLS: 340/002.100; 370/392.000; 370/469.000; 709/245.000  
IC [7]  
ICM: H04L012-28  
ICS: G06F013-00  
EXF 370/389; 370/390; 370/392; 370/401; 370/400; 370/469; 340/825.52;  
340/825.07; 395/200.58; 364/241; 364/242; 709/245; 709/246

L3 ANSWER 15 OF 49 USPATFULL  
AN 2000:122409 USPATFULL  
TI System and method for controlling communication  
IN Tajika, Yosuke, Kobe, Japan  
Matsubara, Shinzo, Osaka, Japan  
Horiguchi, Takeo, Ibaraki, Japan  
Iwamura, Kazuaki, Kobe, Japan  
PA Kabushiki Kaisha Toshiba, Kawasaki, Japan (non-U.S. corporation)  
PI US 6118771 20000912  
AI US 1997-816563 19970313 (8)  
PRAI JP 1996-57964 19960314

JP 1996-59157 19960315  
 JP 1996-69587 19960326  
 JP 1996-193302 19960723  
 DT Utility  
 FS Granted  
 LN.CNT 2279  
 INCL INCLM: 370/328.000  
 INCLS: 370/401.000  
 NCL NCLM: 370/328.000  
 NCLS: 370/401.000  
 IC [7]  
 ICM: H04Q007-00  
 EXF 370/401; 370/381; 370/394; 370/402; 370/312; 370/328; 370/338; 370/349;  
 370/392  
  
 L3 ANSWER 16 OF 49 USPATFULL  
 AN 2000:103571 USPATFULL  
 TI Service management method and connection oriented network system using  
 such management method  
 IN Miyamoto, Takahisa, Kawasaki, Japan  
 Sawada, Sunao, Yokohama, Japan  
 Tominaga, Yoshikazu, Yokohama, Japan  
 PA Hitachi, Ltd., Tokyo, Japan (non-U.S. corporation)  
 PI US 6101542 20000808  
 AI US 1997-895366 19970716 (8)  
 PRAI JP 1996-190330 19960719  
 DT Utility  
 FS Granted  
 LN.CNT 1241  
 INCL INCLM: 709/227.000  
 INCLS: 709/223.000; 709/229.000; 370/232.000  
 NCL NCLM: 709/227.000  
 NCLS: 370/232.000; 709/223.000; 709/229.000  
 IC [7]  
 ICM: G06F013-14  
 EXF 370/397; 370/392; 370/395; 370/60.1; 370/84; 370/218; 370/232; 370/458;  
 370/399; 395/500; 395/856; 395/417; 395/828; 709/200; 709/153; 709/227;  
 709/223; 709/229; 709/238; 709/213; 709/230; 707/7; 714/4  
  
 L3 ANSWER 17 OF 49 USPATFULL  
 AN 2000:99792 USPATFULL  
 TI Process control system including a method and apparatus for  
 automatically sensing the connection of devices to a network  
 IN Nixon, Mark, Round Rock, TX, United States  
 Krivoshein, Ken D., Elgin, TX, United States  
 Shepard, John R., Austin, TX, United States  
 Christensen, Dan D., Austin, TX, United States  
 Schleiss, Duncan, Austin, TX, United States  
 PA Fisher-Rosemont Systems, Inc., Austin, TX, United States (U.S.  
 corporation)  
 PI US 6098116 20000801  
 AI US 1996-631519 19960412 (8)  
 PRAI US 1996-17700 19960412 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 2316  
 INCL INCLM: 710/008.000  
 INCLS: 710/010.000; 710/062.000; 709/220.000; 709/221.000; 709/250.000  
 NCL NCLM: 710/008.000  
 NCLS: 709/220.000; 709/221.000; 709/250.000; 710/010.000; 710/062.000  
 IC [7]  
 ICM: G06F013-14  
 ICS: G06F013-20  
 EXF 395/209.5; 395/200.51; 395/200.8; 370/94.1; 710/8; 710/10; 710/62;  
 709/250; 709/220; 709/221

L3 ANSWER 18 OF 49 USPATFULL  
 AN 2000:92884 USPATFULL  
 TI Method for configuring distributed internet protocol gateways with lan emulation  
 IN Alexander, Jr., Cedell Adam, Durham, NC, United States  
 Ervin, Jimmy Philip, Raleigh, NC, United States  
 Lloyd, John, Durham, NC, United States  
 Matlack, Jr., Richard Colbert, Raleigh, NC, United States  
 Vig, Deepak, Raleigh, NC, United States  
 PA Cisco Systems, Inc., San Jose, CA, United States (U.S. corporation)  
 PI US 6091732 20000718  
 AI US 1997-975481 19971120 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 291  
 INCL INCLM: 370/401.000  
 INCLS: 370/389.000  
 NCL NCLM: 370/401.000  
 NCLS: 370/389.000  
 IC [7]  
 ICM: H04L012-28  
 EXF 370/389; 370/401; 370/410; 709/202; 709/203; 709/204; 709/227; 709/245;  
 709/225

L3 ANSWER 19 OF 49 USPATFULL  
 AN 2000:68831 USPATFULL  
 TI Method and system for secure cable modem initialization  
 IN Beser, Nurettin B., Evanston, IL, United States  
 PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
 PI US 6070246 20000530  
 AI US 1998-18756 19980204 (9)  
 DT Utility  
 FS Granted  
 LN.CNT 2125  
 INCL INCLM: 713/201.000  
 NCL NCLM: 713/201.000  
 IC [7]  
 ICM: G06F011-00  
 EXF 713/200; 713/201; 713/1; 707/203; 709/219; 709/217; 709/220; 380/23;  
 380/30

L3 ANSWER 20 OF 49 USPATFULL  
 AN 2000:62873 USPATFULL  
 TI Internet protocol based network architecture for cable television access  
 with switched fallback  
 IN Blahut, Donald Edgar, Holmdel, NJ, United States  
 Bobeck, James D., Leesport, PA, United States  
 Dalton, Robert William, North Andover, MA, United States  
 Hernandez-Valencia, Enrique, Highlands, NJ, United States  
 Levy, Roger Henry, Berkeley Heights Township, Union County, NJ, United States  
 Sharp, Ronald L., Califon, NJ, United States  
 PA Lucent Technologies Inc., Murray Hill, NJ, United States (U.S. corporation)  
 PI US 6065061 20000516  
 AI US 1997-991735 19971216 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 441  
 INCL INCLM: 709/239.000  
 INCLS: 709/203.000  
 NCL NCLM: 709/239.000  
 NCLS: 709/203.000  
 IC [7]  
 ICM: H04J003-16

EXF 709/203; 709/225; 709/239; 714/4; 714/48

L3 ANSWER 21 OF 49 USPATFULL  
AN 2000:62861 USPATFULL  
TI Method and system for resolving addresses for network host interfaces  
from a cable modem  
IN Beser, Nurettin B., Evanston, IL, United States  
Fijolek, John G., Naperville, IL, United States  
Robinson, Philip T., Barrington, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6065049 20000516  
AI US 1998-18814 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 1828  
INCL INCLM: 709/218.000  
INCLS: 709/225.000; 709/250.000; 370/351.000; 370/409.000  
NCL NCLM: 709/218.000  
NCLS: 370/351.000; 370/409.000; 709/225.000; 709/250.000  
IC [7]  
ICM: G06F013-00  
EXF 370/351; 370/409; 370/390; 370/352-356; 709/218; 709/225; 709/250

L3 ANSWER 22 OF 49 USPATFULL  
AN 2000:55202 USPATFULL  
TI Method and system for addressing network host interfaces from a cable  
modem using DHCP  
IN Fijolek, John G., Naperville, IL, United States  
Beser, Nurettin B., Evanston, IL, United States  
Robinson, Philip T., Barrington, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6058421 20000502  
AI US 1998-18784 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 1892  
INCL INCLM: 709/225.000  
INCLS: 709/203.000; 709/202.000; 709/217.000; 709/218.000; 709/219.000;  
709/226.000; 370/312.000; 370/352.000; 370/389.000; 370/432.000;  
370/475.000; 348/006.000; 348/734.000; 359/164.000; 359/165.000;  
364/705.050  
NCL NCLM: 709/225.000  
NCLS: 348/734.000; 359/164.000; 359/165.000; 370/312.000; 370/352.000;  
370/389.000; 370/432.000; 370/475.000; 708/109.000; 709/202.000;  
709/203.000; 709/217.000; 709/218.000; 709/219.000; 709/226.000;  
725/111.000; 725/122.000  
IC [7]  
ICM: G06F015-173  
EXF 709/224; 709/203; 709/202; 709/217; 709/218; 709/219; 709/226; 709/227;  
709/231; 709/238; 709/245; 711/200; 370/312; 370/352; 370/389; 370/432;  
370/475; 364/705.05; 348/6; 348/734; 359/164; 359/165

L3 ANSWER 23 OF 49 USPATFULL  
AN 2000:45063 USPATFULL  
TI Method and system for cable modem initialization using dynamic servers  
IN Beser, Nurettin B., Evanston, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6049826 20000411  
AI US 1998-18400 19980204 (9)  
DT Utility  
FS Granted  
LN.CNT 2109  
INCL INCLM: 709/222.000  
INCLS: 709/203.000; 709/217.000; 709/218.000; 709/219.000; 709/222.000;  
709/223.000; 709/224.000; 709/225.000; 709/226.000; 370/401.000;  
370/402.000; 370/403.000; 370/410.000; 340/286.020; 379/093.160;



380/021.000; 380/024.000  
NCL NCLM: 709/222.000  
NCLS: 340/286.020; 370/401.000; 370/402.000; 370/403.000; 370/410.000;  
380/266.000; 709/203.000; 709/217.000; 709/218.000; 709/219.000;  
709/223.000; 709/224.000; 709/225.000; 709/226.000; 713/181.000  
IC [7]  
ICM: G06F015-177  
EXF 709/217; 709/218; 709/219; 709/222; 709/223; 709/224; 709/225; 709/226;  
709/203; 709/230; 709/231; 709/335; 380/21-24; 345/335; 364/242;  
348/12; 379/93.16; 370/401; 370/402; 370/403; 370/410; 455/3.1; 340/286.02

L3 ANSWER 24 OF 49 USPATFULL  
AN 2000:42167 USPATFULL  
TI Network device for supporting construction of virtual local area  
networks on arbitrary local and wide area computer networks  
IN Jain, Lalit, 43 Symphony Rd., Boston, MA, United States 02115  
Ford, Michael T., 32 Bristol St., Cambridge, MA, United States 02141  
PI US 6047325 20000404  
AI US 1998-138959 19980824 (9)  
RLI Continuation of Ser. No. US 1997-957352, filed on 24 Oct 1997, now  
abandoned  
DT Utility  
FS Granted  
LN.CNT 365  
INCL INCLM: 709/227.000  
INCLS: 709/238.000; 709/239.000; 709/245.000  
NCL NCLM: 709/227.000  
NCLS: 709/238.000; 709/239.000; 709/245.000  
IC [7]  
ICM: G06F015-00  
ICS: G06F015-40; G06F009-44  
EXF 709/227; 709/238; 709/239; 709/245

L3 ANSWER 25 OF 49 USPATFULL  
AN 2000:10754 USPATFULL  
TI Method and system for managing subscription services with a cable modem  
IN Fijolek, John G., Naperville, IL, United States  
Lee, Ronald B., Northbrook, IL, United States  
Robinson, Philip T., Barrington, IL, United States  
Gun, Levent, Lake Forest, IL, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 6018767 20000125  
AI US 1998-28404 19980224 (9)  
DT Utility  
FS Granted  
LN.CNT 1966  
INCL INCLM: 709/218.000  
INCLS: 709/225.000; 709/250.000; 348/012.000  
NCL NCLM: 709/218.000  
NCLS: 709/225.000; 709/250.000; 725/111.000; 725/122.000  
IC [6]  
ICM: G06F013-00  
ICS: H04N007-173  
EXF 709/217; 709/218; 709/219; 709/225; 709/226; 709/227; 709/229; 709/230;  
709/231; 709/238; 709/250; 348/6; 348/7; 348/8; 348/10; 348/12; 348/13

L3 ANSWER 26 OF 49 USPATFULL  
AN 1999:148219 USPATFULL  
TI Local area network system and router unit  
IN Yoshida, Akiko, Kawasaki, Japan  
Yamamoto, Takaya, Kawasaki, Japan  
PA Fujitsu Limited, Kanagawa, Japan (non-U.S. corporation)  
PI US 5987524 19991116  
AI US 1997-940149 19970930 (8)  
PRAI JP 1997-100017 19970417

DT Utility  
FS Granted  
LN.CNT 987  
INCL INCLM: 709/245.000  
INCLS: 709/238.000  
NCL NCLM: 709/245.000  
NCLS: 709/238.000  
IC [6]  
ICM: G06F013-38  
ICS: G06F015-17  
EXF 348/12; 370/401; 370/402; 370/475; 395/200.68; 395/200.75; 395/200.76;  
395/200.79; 395/200.82; 709/238; 709/245; 709/246; 709/249; 709/252

L3 ANSWER 27 OF 49 USPATFULL  
AN 1999:140487 USPATFULL  
TI Process control system including automatic sensing and automatic  
configuration of devices  
IN Krivoshein, Ken D., Elgin, TX, United States  
Christensen, Dan D., Austin, TX, United States  
PA Fisher-Rosemount Systems, Inc., Austin, TX, United States (U.S.  
corporation)  
PI US 5980078 19991109  
AI US 1997-799966 19970214 (8)  
DT Utility  
FS Granted  
LN.CNT 1727  
INCL INCLM: 364/131.000  
INCLS: 364/138.000; 364/146.000; 364/147.000; 395/200.510; 395/200.520  
NCL NCLM: 700/001.000  
NCLS: 700/009.000; 700/017.000; 700/018.000; 709/221.000; 709/222.000  
IC [6]  
ICM: G06F015-16  
EXF 395/284; 395/651-653; 395/823; 395/828-832; 395/834-837; 395/839;  
395/200.5; 395/200.51; 395/200.52; 395/200.58; 364/131; 364/138;  
364/146; 364/147

L3 ANSWER 28 OF 49 USPATFULL  
AN 1999:138519 USPATFULL  
TI Wide area network system providing secure transmission  
IN Hoff, James, Scottsdale, AZ, United States  
Brown, Randall L., Phoenix, AZ, United States  
Perry, Thomas J., Phoenix, AZ, United States  
Mualim, Satrio P., Glendale, AZ, United States  
Plyler, Kevin B., Scottsdale, AZ, United States  
Spenik, John W., Phoenix, AZ, United States  
Southway, James B., Glendale, AZ, United States  
Sciabica, Frank, Phoenix, AZ, United States  
Baer, Scott J., Tempe, AZ, United States  
PA AG Communication Systems Corporation, Phoenix, AZ, United States (U.S.  
corporation)  
PI US 5978373 19991102  
AI US 1997-893473 19970711 (8)  
DT Utility  
FS Granted  
LN.CNT 993  
INCL INCLM: 370/392.000  
INCLS: 370/400.000; 713/201.000  
NCL NCLM: 370/392.000  
NCLS: 370/400.000; 713/201.000  
IC [6]  
ICM: H04L012-28  
ICS: H04L012-56  
EXF 370/351; 370/352; 370/401; 370/354; 370/355; 370/360; 370/422; 370/432;  
370/434; 370/389; 395/186; 395/187.01; 713/201

L3 ANSWER 29 OF 49 USPATFULL

AN 1999:134437 USPATFULL  
TI Network management system extension  
IN Townsend, Robert L., Sioux City, IA, United States  
Chiang, Luo-Jen, Freehold, NJ, United States  
PA NCR Corporation, Dayton, OH, United States (U.S. corporation)  
PI US 5974562 19991026  
AI US 1995-567453 19951205 (8)  
DT Utility  
FS Granted  
LN.CNT 654  
INCL INCLM: 714/004.000  
INCLS: 714/012.000; 714/013.000; 709/218.000; 709/220.000  
NCL NCLM: 714/004.000  
NCLS: 709/218.000; 709/220.000; 714/012.000; 714/013.000  
IC [6]  
ICM: G06F011-00  
EXF 395/182.02; 395/182.08; 395/182.09; 395/182.1; 395/182.11; 395/200.01;  
395/200.11; 395/200.51; 395/200.53; 395/200.54; 395/200.69; 395/200.68;  
395/200.33; 395/200.47; 395/200.48; 395/200.49; 395/200.5; 370/216;  
714/4; 714/10; 714/11; 714/12; 714/13; 709/203; 709/217; 709/218;  
709/220; 709/238; 709/239

L3 ANSWER 30 OF 49 USPATFULL

AN 1999:134422 USPATFULL  
TI Technique for reliable network booting of an operating system to a  
client computer  
IN Klimentko, Yevgeniy, Toronto, Canada  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 5974547 19991026  
AI US 1998-45577 19980320 (9)  
DT Utility  
FS Granted  
LN.CNT 1450  
INCL INCLM: 713/002.000  
INCLS: 713/100.000; 709/217.000; 709/220.000  
NCL NCLM: 713/002.000  
NCLS: 709/217.000; 709/220.000; 713/100.000  
IC [6]  
ICM: G06F013-00  
EXF 713/1; 713/2; 713/100; 709/220; 709/221; 709/222-228; 709/203; 709/217;  
709/223; 709/224

L3 ANSWER 31 OF 49 USPATFULL

AN 1999:75109 USPATFULL  
TI Data transmission system used for plant control and based on local area  
network  
IN Shimokawa, Yoshiyuki, Tokyo, Japan  
PA Kabushiki Kaisha Toshiba, Kawasaki, Japan (non-U.S. corporation)  
PI US 5919250 19990706  
AI US 1996-644160 19960510 (8)  
PRAI JP 1995-114724 19950512  
DT Utility  
FS Granted  
LN.CNT 1631  
INCL INCLM: 709/252.000  
INCLS: 709/250.000; 370/466.000; 370/463.000  
NCL NCLM: 709/252.000  
NCLS: 370/463.000; 370/466.000; 709/250.000  
IC [6]  
ICM: G06F013-38  
ICS: G06F015-17  
EXF 395/200.17; 395/200.37; 395/200.66; 395/200.82; 395/200.8; 370/408;  
370/406; 370/447; 370/461; 370/402; 370/445; 370/462; 370/465; 370/466;  
370/469; 370/463

L3 ANSWER 32 OF 49 USPATFULL

AN 1999:46426 USPTFLL  
TI Providing address resolution information for self-registration of  
clients on power-up or dial-in  
IN Mohammed, Mannan, Chandler, AZ, United States  
PA Intel Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 5894479 19990413  
AI US 1996-763613 19961210 (8)  
DT Utility  
FS Granted  
LN.CNT 615  
INCL INCLM: 370/401.000  
INCLS: 395/200.520  
NCL NCLM: 370/401.000  
NCLS: 709/222.000  
IC [6]  
ICM: H04J003-02  
EXF 348/12; 348/13; 348/7; 348/6; 348/10; 395/200.5; 395/200.57;  
395/200.58;  
395/200.33; 395/200.51; 395/200.52; 370/420; 370/390; 370/404; 370/402;  
370/401; 370/453

L3 ANSWER 33 OF 49 USPTFLL

AN 1999:41180 USPTFLL  
TI Network server  
IN Miyao, Yasuhiro, Tokyo, Japan  
Arutaki, Akira, Tokyo, Japan  
Honda, Masahiko, Tokyo, Japan  
PA NEC Corporation, Tokyo, Japan (non-U.S. corporation)  
PI US 5889777 19990330  
AI US 1996-734663 19961021 (8)  
PRAI JP 1995-274084 19951023  
DT Utility  
FS Granted  
LN.CNT 683  
INCL INCLM: 370/345.000  
INCLS: 370/466.000  
NCL NCLM: 370/395.000  
NCLS: 370/466.000  
IC [6]  
ICM: H04L012-56  
EXF 370/389; 370/395; 370/400; 370/401; 370/402; 370/403; 370/406; 370/407;  
370/408; 370/409; 370/466; 370/467; 370/474; 370/465; 370/469

L3 ANSWER 34 OF 49 USPTFLL

AN 1998:117085 USPTFLL  
TI Remote access apparatus and method which allow dynamic internet  
protocol  
(IP) address management  
IN Rodwin, Andrew S., Boxborough, MA, United States  
Wenocur, Jonathan H., Brighton, MA, United States  
Feinstein, Michael G., Bedford, MA, United States  
PA Shiva Corporation, Bedford, MA, United States (U.S. corporation)  
PI US 5812819 19980922  
AI US 4628195 19950605 (8)  
DT Utility  
FS Granted  
LN.CNT 807  
INCL INCLM: 395/500.000  
INCLS: 395/187.010; 395/188.010; 001/001.000  
NCL NCLM: 703/023.000  
NCLS: 703/027.000; 713/201.000; 713/202.000  
IC [6]  
ICM: G06F015-16  
EXF 395/500; 395/601; 395/200.01; 395/200.09; 395/200.1; 395/200.12;  
395/200.06; 395/186; 395/187.01; 395/188.01

L3 ANSWER 35 OF 49 USPATFULL  
 AN 1998:76770 USPATFULL  
 TI World-wide-web server with delayed resource-binding for resource-based  
 load balancing on a distributed resource multi-node network  
 IN Brendel, Juergen, Redwood City, CA, United States  
 Kring, Charles J., Sunnyvale, CA, United States  
 Liu, Zaide, Santa Clara, CA, United States  
 Marino, Christopher C., Mountain View, CA, United States  
 PA Resonate, Inc., Mountain View, CA, United States (U.S. corporation)  
 PI US 5774660 19980630  
 AI US 1996-691006 19960805 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 1509  
 INCL INCLM: 395/200.310  
 INCLS: 395/200.320; 395/200.330; 395/200.360; 395/200.490; 395/200.560;  
 395/200.590; 395/200.660; 395/200.690; 395/670.000; 395/674.000;  
 395/675.000  
 NCL NCLM: 709/201.000  
 NCLS: 709/100.000; 709/104.000; 709/105.000; 709/202.000; 709/203.000;  
 709/206.000; 709/219.000; 709/225.000; 709/229.000; 709/236.000;  
 709/239.000  
 IC [6]  
 ICM: G06F013-00  
 ICS: G06F017-30  
 EXF 395/200.3-200.33; 395/200.36; 395/200.47-200.5; 395/200.54-200.6;  
 395/200.66; 395/200.69; 395/182.02; 395/182.08; 395/670-675

L3 ANSWER 36 OF 49 USPATFULL  
 AN 1998:53029 USPATFULL  
 TI Internet protocol (IP) work group routing  
 IN Dobbins, Kurt A., Bedford, NH, United States  
 Cullerot, David L., Manchester, NH, United States  
 Negus, Stephen H., Windham, NH, United States  
 Haggerty, William T., Dunstable, MA, United States  
 PA Cabletron Systems, Inc., Rochester, NH, United States (U.S.  
 corporation)  
 PI US 5751971 19980512  
 AI US 1995-501324 19950712 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 990  
 INCL INCLM: 395/200.680  
 INCLS: 395/200.790  
 NCL NCLM: 709/238.000  
 NCLS: 709/249.000  
 IC [6]  
 ICM: G06F015-16  
 EXF 395/200.15; 395/200.68; 395/200.75; 395/200.79; 395/200.8; 370/85.13;  
 370/351; 370/401; 370/409

L3 ANSWER 37 OF 49 USPATFULL  
 AN 1998:29051 USPATFULL  
 TI Apparatus for determining the topology of an ATM network or the like  
 Via communication of topology information between a central manager and  
 switches in the network over a virtual service path  
 IN Chatwani, Dilip, Newark, CA, United States  
 Subramanian, Rajan, Newark, CA, United States  
 Chiang, Winnis, Los Altos Hills, CA, United States  
 Davar, Jonathan, San Jose, CA, United States  
 Opher, Ayal, Mountain View, CA, United States  
 Sawant, Shiva, Santa Clara, CA, United States  
 PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)  
 PI US 5729685 19980317  
 AI US 1996-712679 19960913 (8)

RLI Continuation of Ser. No. US 1996-667322, filed on 20 Jun 1996, now abandoned which is a continuation of Ser. No. US 1993-86431, filed on

29

Jun 1993, now abandoned

DT Utility

FS Granted

LN.CNT 2131

INCL INCLM: 395/200.110

NCL NCLM: 709/224.000

NCLS: 370/254.000

IC [6]

ICM: G06F013-00

EXF 364/DIG.1; 364/DIG.2; 395/200.01; 395/200.02; 395/200.06; 395/200.11;  
395/200.15; 395/200.21; 395/200.16; 340/825; 340/825.06; 340/825.07;  
340/825.08

L3 ANSWER 38 OF 49 USPATFULL

AN 1998:12917 USPATFULL

TI Method for providing for automatic topology discovery in an ATM network or the like

IN Chatwani, Dilip, Newark, CA, United States

Subramanian, Rajan, Newark, CA, United States

Chiang, Winnis, Los Altos Hills, CA, United States

Davar, Jonathan, San Jose, CA, United States

Opher, Ayal, Mountain View, CA, United States

Sawant, Shiva, Santa Clara, CA, United States

PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)

PI US 5715396 19980203

AI US 1995-473070 19950607 (8)

RLI Division of Ser. No. US 1993-86431, filed on 29 Jun 1993 which is a continuation-in-part of Ser. No. US 1992-959732, filed on 13 Oct 1992, now patented, Pat. No. US 5519707

DT Utility

FS Granted

LN.CNT 2189

INCL INCLM: 395/200.150

INCLS: 395/200.170

NCL NCLM: 709/242.000

IC [6]

ICM: G06F003-00

EXF 395/200.01; 395/800; 395/200.11; 395/200.15; 395/200.17; 395/200.18

L3 ANSWER 39 OF 49 USPATFULL

AN 97:113367 USPATFULL

TI System for registration of clients in an ATM network providing for communication of client registration messages to a central manager

IN Subramanian, Rajan, Newark, CA, United States

Chatwani, Dilip, Newark, CA, United States

Chiang, Winnis, Los Altos Hills, CA, United States

Davar, Jonathan, San Jose, CA, United States

Opher, Ayal, Mountain View, CA, United States

Sawant, Shiva, Santa Clara, CA, United States

PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)

PI US 5694547 19971202

AI US 1996-618472 19960318 (8)

RLI Continuation of Ser. No. US 1993-85741, filed on 29 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-959732, filed on 13 Oct 1992, now patented, Pat. No. US 5519707

DT Utility

FS Granted

LN.CNT 2226

INCL INCLM: 395/200.110

INCLS: 395/200.160; 395/200.170

NCL NCLM: 709/224.000

NCLS: 370/254.000; 709/236.000; 709/245.000

IC [6]

ICM: G06F011-30  
EXF 395/200.16; 395/500; 395/800; 395/200.11; 395/200.17; 395/838; 395/839;  
395/184.01; 395/183.15; 370/60

L3 ANSWER 40 OF 49 USPATFULL  
AN 97:79367 USPATFULL  
TI Method for providing for automatic topology discovery in an ATM network  
or the like  
IN Chatwani, Dilip, Newark, CA, United States  
Subramanian, Rajan, Newark, CA, United States  
Chiang, Winnis, Los Altos Hills, CA, United States  
Davar, Jonathan, San Jose, CA, United States  
Opher, Ayal, Mountain View, CA, United States  
Sawant, Shiva, Santa Clara, CA, United States  
PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)  
PI US 5664107 19970902  
AI US 1995-473133 19950607 (8)  
RLI Division of Ser. No. US 1993-86431, filed on 29 Jun 1993, now abandoned  
which is a continuation-in-part of Ser. No. US 1992-959732, filed on 13  
Oct 1992  
DT Utility  
FS Granted  
LN.CNT 2141  
INCL INCLM: 395/200.540  
INCLS: 364/260.000; 364/264.000; 364/267.000; 364/DIG.001  
NCL NCLM: 709/224.000  
NCLS: 709/242.000  
IC [6]  
ICM: G06F013-00  
EXF 395/200.11; 395/800; 395/200.1; 395/200.12

L3 ANSWER 41 OF 49 USPATFULL  
AN 97:76697 USPATFULL  
TI Method for activating a backup network management station in a network  
management system  
IN Townsend, Robert L., Sioux City, IA, United States  
Chiang, Luo-Jen, Freehold, NJ, United States  
PA NCR Corporation, Dayton, OH, United States (U.S. corporation)  
PI US 5661719 19970826  
AI US 1995-545465 19951019 (8)  
DT Utility  
FS Granted  
LN.CNT 394  
INCL INCLM: 370/216.000  
INCLS: 370/221.000  
NCL NCLM: 370/216.000  
NCLS: 370/221.000  
IC [6]  
ICM: H04L001-22  
EXF 370/16; 370/16.1; 370/94.1-94.3; 370/60; 370/60.1; 370/13; 370/24;  
370/216; 370/221; 370/222; 370/223; 370/217; 370/218; 370/219; 370/220;  
455/8; 340/825.01; 340/827; 340/825.07; 340/825.52; 364/187; 395/180;  
395/181; 395/189.01; 395/182.02; 395/182.04; 395/182.08; 395/182.09;  
395/182.11

L3 ANSWER 42 OF 49 USPATFULL  
AN 97:48117 USPATFULL  
TI Method for translating internet protocol addresses to other distributed  
network addressing schemes  
IN Fox, Richard H., Sunnyvale, CA, United States  
Galloway, Brett D., Campbell, CA, United States4)  
PA Metricom, Inc., Los Gatos, CA, United States (U.S. corporation)  
PI US 5636216 19970603  
AI US 1994-225212 19940408 (8)  
DT Utility  
FS Granted

LN.CNT 675  
 INCL INCLM: 370/402.000  
 NCL NCLM: 370/402.000  
 IC [6]  
 ICM: H04L012-407  
 ICS: H04J003-02  
 EXF 370/85.13; 370/85.12; 370/94.1; 370/94.3; 370/60; 370/85.14; 370/60.1;  
 370/94.2; 370/85.1; 340/825.52; 395/280

L3 ANSWER 43 OF 49 USPATFULL  
 AN 96:117267 USPATFULL  
 TI Apparatus for providing for automatic topology discovery in an ATM network or the like  
 IN Chatwani, Dilip, Newark, CA, United States  
 Subramanian, Rajan, Newark, CA, United States  
 Chiang, Winnis, Los Altos Hills, CA, United States  
 Davar, Jonathan, San Jose, CA, United States  
 Opher, Ayal, Mountain View, CA, United States  
 Sawant, Shiva, Santa Clara, CA, United States  
 PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)  
 PI US 5586267 19961217  
 AI US 1995-484656 19950607 (8)  
 RLI Division of Ser. No. US 1993-86431, filed on 29 Jun 1993, now abandoned which is a continuation-in-part of Ser. No. US 1992-959732, filed on 13 Oct 1992, now patented, Pat. No. US 5519707  
 DT Utility  
 FS Granted  
 LN.CNT 2104  
 INCL INCLM: 395/200.110  
 NCL NCLM: 709/223.000  
 NCLS: 370/254.000; 370/397.000; 709/224.000  
 IC [6]  
 ICM: G06F011-30  
 EXF 364/DIG.1MSFile; 364/DIG.2MSFile; 395/200.01; 395/200.06; 395/200.1;  
 395/200.11; 370/17; 370/53; 370/54

L3 ANSWER 44 OF 49 USPATFULL  
 AN 96:114779 USPATFULL  
 TI Method for providing for automatic topology discovery in an ATM network or the like  
 IN Chatwani, Dilip, Newark, CA, United States  
 Subramanian, Rajan, Newark, CA, United States  
 Chiang, Winnis, Los Altos Hills, CA, United States  
 Davar, Jonathan, San Jose, CA, United States  
 Opher, Ayal, Mountain View, CA, United States  
 Sawant, Shiva, Santa Clara, CA, United States  
 PA Bay Networks, Inc., Santa Clara, CA, United States (U.S. corporation)  
 PI US 5583991 19961210  
 AI US 1995-473139 19950607 (8)  
 RLI Division of Ser. No. US 1993-86431, filed on 29 Jun 1993, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 2101  
 INCL INCLM: 395/200.010  
 INCLS: 364/284.000; 364/284.400; 364/240.700; 364/238.100; 364/DIG.001  
 NCL NCLM: 709/223.000  
 NCLS: 709/224.000  
 IC [6]  
 ICM: G06F015-173  
 EXF 395/200.01; 395/800; 395/200.15; 370/60

L3 ANSWER 45 OF 49 USPATFULL  
 AN 96:51777 USPATFULL  
 TI System for reverse address resolution for remote network device independent of its physical address  
 IN Nilakantan, Chandrasekharan, San Jose, CA, United States



Loi, Ly, Fremont, CA, United States  
Arunkumar, Nagesh, San Jose, CA, United States  
Seaman, Michael J., San Jose, CA, United States  
PA 3Com Corporation, Santa Clara, CA, United States (U.S. corporation)  
PI US 5526489 19960611  
AI US 1993-33914 19930319 (8)  
DT Utility  
FS Granted  
LN.CNT 732  
INCL INCLM: 395/200.020  
INCLS: 364/DIG.001; 364/241.900; 364/242.940; 364/242.950; 364/242.960;  
364/DIG.002; 364/940.610; 364/940.620; 340/825.520  
NCL NCLM: 709/228.000  
NCLS: 340/825.520; 370/392.000; 370/401.000; 709/245.000  
IC [6]  
ICM: G06F013-00  
ICS: G06F015-16; G06F015-163; G06F015-177  
EXF 395/200; 395/425; 395/325; 395/275; 340/825.52

L3 ANSWER 46 OF 49 USPATFULL  
AN 96:2111 USPATFULL  
TI Interactive information services control system  
IN Logston, Gary L., Tucker, GA, United States  
Wasilewski, Anthony J., Alpharetta, GA, United States  
Addington, Timothy H., Roswell, GA, United States  
Wall, Jr., William E., Atlanta, GA, United States  
PA Scientific-Atlanta, Inc., Norcross, GA, United States (U.S.  
corporation)  
PI US 5481542 19960102  
AI US 1993-149929 19931110 (8)  
DT Utility  
FS Granted  
LN.CNT 2352  
INCL INCLM: 370/094.200  
INCLS: 370/095.300; 370/110.100; 348/007.000; 348/013.000  
NCL NCLM: 725/131.000  
NCLS: 370/442.000; 370/461.000; 370/473.000; 370/474.000; 725/001.000;  
725/104.000; 725/121.000; 725/126.000; 725/129.000  
IC [6]  
ICM: H04N007-173  
EXF 370/94.1; 370/94.2; 370/94.3; 370/95.1; 370/95.3; 370/110.1; 359/135;  
359/136; 348/6; 348/7; 348/12; 348/13

L3 ANSWER 47 OF 49 USPATFULL  
AN 95:108814 USPATFULL  
TI Standby router protocol  
IN Li, Anthony J., Sunnyvale, CA, United States  
Cole, Bruce A., Menlo Park, CA, United States  
PA Cisco Systems, Incorporated, Menlo Park, CA, United States (U.S.  
corporation)  
PI US 5473599 19951205  
AI US 1994-231330 19940422 (8)  
DT Utility  
FS Granted  
LN.CNT 1171  
INCL INCLM: 370/016.000  
INCLS: 370/085.130; 395/182.020; 395/182.110; 395/200.150  
NCL NCLM: 370/219.000  
NCLS: 370/402.000; 370/409.000; 709/244.000; 714/004.000; 714/013.000  
IC [6]  
ICM: H04J003-14  
EXF 370/16; 370/85.13; 370/85.14; 371/8.1; 371/8.2; 371/9.1; 340/825.03

L3 ANSWER 48 OF 49 USPATFULL  
AN 95:25669 USPATFULL  
TI Method and apparatus providing for hunt groups in an ATM network of the

like  
 IN Chatwani, Dilip Newark, CA, United States  
 Subramanian, Rajan, Newark, CA, United States  
 PA SynOptics Communications, Inc., Santa Clara, CA, United States (U.S.  
 corporation)  
 PI US 5400325 19950321  
 AI US 1993-86176 19930629 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 2137  
 INCL INCLM: 370/060.100  
 INCLS: 395/500.000; 370/094.300  
 NCL NCLM: 370/399.000  
 NCLS: 370/396.000  
 IC [6]  
 ICM: H04L012-56  
 EXF 370/60; 370/60.1; 370/62; 370/68; 370/119; 370/94.3; 395/325; 395/500  
  
 L3 ANSWER 49 OF 49 USPATFULL  
 AN 95:14401 USPATFULL  
 TI Method and apparatus providing for bootstrapping of switches in an ATM  
 network or the like  
 IN Sawant, Shiva, Santa Clara, CA, United States  
 Chatwani, Dilip, Newark, CA, United States  
 Chiang, Winnis, Los Altos Hills, CA, United States  
 Davar, Jonathan, San Jose, CA, United States  
 Opher, Ayal, Mountain View, CA, United States  
 Subramanian, Rajan, Newark, CA, United States  
 PA SynOptics Communications, Inc., Santa Clara, CA, United States (U.S.  
 corporation)  
 PI US 5390170 19950214  
 AI US 1993-85600 19930629 (8)  
 RLI Continuation-in-part of Ser. No. US 1992-959732, filed on 13 Oct 1992  
 DT Utility  
 FS Granted  
 LN.CNT 2211  
 INCL INCLM: 370/058.100  
 INCLS: 370/060.000; 370/094.100; 370/110.100  
 NCL NCLM: 370/399.000  
 NCLS: 370/522.000  
 IC [6]  
 ICM: H04L012-02  
 EXF 370/58.1; 370/60; 370/60.1; 370/94.1; 370/110.1; 370/58.2

=> d 14 1-

YOU HAVE REQUESTED DATA FROM 2 ANSWERS - CONTINUE? Y/(N):y

L4 ANSWER 1 OF 2 USPATFULL  
 AN 2000:99792 USPATFULL  
 TI Process control system including a method and apparatus for  
 automatically sensing the connection of devices to a network  
 IN Nixon, Mark, Round Rock, TX, United States  
 Krivoshein, Ken D., Elgin, TX, United States  
 Shepard, John R., Austin, TX, United States  
 Christensen, Dan D., Austin, TX, United States  
 Schleiss, Duncan, Austin, TX, United States  
 PA Fisher-Rosemont Systems, Inc., Austin, TX, United States (U.S.  
 corporation)  
 PI US 6098116 20000801  
 AI US 1996-631519 19960412 (8)  
 PRAI US 1996-17700 19960412 (60)  
 DT Utility  
 FS Granted

LN.CNT 2316  
INCL INCLM: 710/008.000  
INCLS: 710/010.000; 710/062.000; 709/220.000; 709/221.000; 709/250.000  
NCL NCLM: 710/008.000  
NCLS: 709/220.000; 709/221.000; 709/250.000; 710/010.000; 710/062.000  
IC [7]  
ICM: G06F013-14  
ICS: G06F013-20  
EXF 395/209.5; 395/200.51; 395/200.8; 370/94.1; 710/8; 710/10; 710/62;  
709/250; 709/220; 709/221

L4 ANSWER 2 OF 2 USPATFULL  
AN 1999:140487 USPATFULL  
TI Process control system including automatic sensing and automatic  
configuration of devices  
IN Krivoshein, Ken D., Elgin, TX, United States  
Christensen, Dan D., Austin, TX, United States  
PA Fisher-Rosemount Systems, Inc., Austin, TX, United States (U.S.  
corporation)  
PI US 5980078 19991109  
AI US 1997-799966 19970214 (8)  
DT Utility  
FS Granted  
LN.CNT 1727  
INCL INCLM: 364/131.000  
INCLS: 364/138.000; 364/146.000; 364/147.000; 395/200.510; 395/200.520  
NCL NCLM: 700/001.000  
NCLS: 700/009.000; 700/017.000; 700/018.000; 709/221.000; 709/222.000  
IC [6]  
ICM: G06F015-16  
EXF 395/284; 395/651-653; 395/823; 395/828-832; 395/834-837; 395/839;  
395/200.5; 395/200.51; 395/200.52; 395/200.58; 364/131; 364/138;  
364/146; 364/147

=> d 16 1-

YOU HAVE REQUESTED DATA FROM 3 ANSWERS - CONTINUE? Y/(N):y

L6 ANSWER 1 OF 3 USPATFULL  
AN 1999:8310 USPATFULL  
TI Client connects to an internet access provider using algorithm  
downloaded from a central server based upon client's desired criteria  
after disconnected from the server  
IN Bonnaure, Patrick P., Redwood Shores, CA, United States  
Ziola, Tom J., Menlo Park, CA, United States  
Herman, William C., Orinda, CA, United States  
PA WebTV Networks, Inc., Mountain View, CA, United States (U.S.  
corporation)  
PI US 5862339 19990119  
AI US 1996-677914 19960709 (8)  
DT Utility  
FS Granted  
LN.CNT 1391  
INCL INCLM: 395/200.570  
INCLS: 395/200.470; 395/200.480; 395/200.490; 395/200.580  
NCL NCLM: 709/227.000  
NCLS: 709/217.000; 709/218.000; 709/219.000; 709/228.000  
IC [6]  
ICM: G06F013-00  
EXF 370/400; 379/113; 379/115; 379/201; 395/682; 395/200.57; 395/200.47;  
395/200.48; 395/200.49; 395/200.58; 707/3; 348/6

L6 ANSWER 2 OF 3 USPATFULL  
AN 1999:8192 USPATFULL

TI Method and apparatus for using network address information to improve  
 the performance of network transactions  
 IN Perlman, Stephen G., Mountain View, CA, United States  
 PA WebTV Networks, Inc., Mountain View, CA, United States (U.S.  
 corporation)  
 PI US 5862220 19990119  
 AI US 1996-656923 19960603 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 1261  
 INCL INCLM: 380/021.000  
 INCLS: 380/009.000; 380/010.000; 380/049.000; 380/059.000  
 NCL NCLM: 713/162.000  
 NCLS: 380/059.000; 380/251.000; 380/279.000; 713/155.000  
 IC [6]  
 ICM: H04L009-08  
 ICS: H04L009-00  
 EXF 380/4; 380/9; 380/21; 380/23; 380/25; 380/49; 380/50; 380/59; 380/10

L6 ANSWER 3 OF 3 USPATFULL  
 AN 1998:83786 USPATFULL  
 TI Automatic address setter capable of determining a network address of a  
 host station  
 IN Hashimoto, Akira, Tokyo, Japan  
 PA NEC Corporation, Tokyo, Japan (non-U.S. corporation)  
 PI US 5781552 19980714  
 AI US 1995-404988 19950316 (8)  
 PRAI JP 1994-72667 19940316  
 DT Utility  
 FS Granted  
 LN.CNT 544  
 INCL INCLM: 370/447.000  
 INCLS: 370/471.000  
 NCL NCLM: 370/447.000  
 NCLS: 370/471.000  
 IC [6]  
 ICM: H04J003-24  
 EXF 370/85.1; 370/85.2; 370/94.1; 370/60; 370/60.1; 370/94.2; 370/85.13;  
 370/92; 370/93; 370/25.7; 370/95.3; 370/95.1; 370/91; 370/241; 370/245;  
 370/247; 370/389; 370/455; 370/449; 370/450; 370/447; 370/445; 370/444;  
 370/443; 370/461; 370/471; 370/475; 370/474; 370/908; 375/311; 375/317

=> d 17 1-

YOU HAVE REQUESTED DATA FROM 6 ANSWERS - CONTINUE? Y/(N):y

L7 ANSWER 1 OF 6 USPATFULL  
 AN 2000:58626 USPATFULL  
 TI Apparatus and method for assigning virtual LANs to a switched network  
 IN Berlovitch, Albert, Rishon le Zion, Israel  
 Shurman, Michael, Jerusalem, Israel  
 Shoua, Menachem, Ramat Gan, Israel  
 PA Lucent Technologies Networks Ltd, Murray Hill, NJ, United States (U.S.  
 corporation)  
 PI US 6061334 20000509  
 AI US 1997-779143 19970106 (8)  
 PRAI IL 1996-118984 19960730  
 DT Utility  
 FS Granted  
 LN.CNT 2360  
 INCL INCLM: 370/255.000  
 INCLS: 370/400.000  
 NCL NCLM: 370/255.000  
 NCLS: 370/400.000

IC [7]  
ICM: H04L012-1  
EXF 370/254; 370/255; 370/400; 370/401; 370/351; 370/395

L7 ANSWER 2 OF 6 USPATFULL  
AN 2000:44766 USPATFULL  
TI Trunking ethernet-compatible networks  
IN Hendel, Ariel, Cupertino, CA, United States  
Hejza, Leo A., Sunnyvale, CA, United States  
Kumar, Sampath H. K., San Jose, CA, United States  
PA Sun Microsystems, Inc., Mountain View, CA, United States (U.S. corporation)  
PI US 6049528 20000411  
AI US 1997-885072 19970630 (8)  
DT Utility  
FS Granted  
LN.CNT 1377  
INCL INCLM: 370/235.000  
INCLS: 370/437.000  
NCL NCLM: 370/235.000  
NCLS: 370/437.000

IC [7]  
ICM: H04N001-16  
ICS: H04J003-16  
EXF 370/466; 370/467; 370/469; 370/463; 370/445; 370/216; 370/229; 370/230; 370/235; 370/437

L7 ANSWER 3 OF 6 USPATFULL  
AN 2000:29298 USPATFULL  
TI Secure virtual LANs  
IN Gage, William W. A., Stittsville, Canada  
Wollensak, Martin, Nepean, Canada  
Himbeault, Lee, Calgary, Canada  
PA Nortel Networks Corporation, Montreal, Canada (non-U.S. corporation)  
PI US 6035405 20000307  
AI US 1997-996159 19971222 (8)  
DT Utility  
FS Granted  
LN.CNT 794  
INCL INCLM: 713/201.000  
INCLS: 709/227.000; 380/025.000  
NCL NCLM: 713/201.000  
NCLS: 709/227.000; 713/155.000

IC [7]  
ICM: G06F012-14  
EXF 713/201; 713/200; 713/202; 709/227; 709/218; 709/219; 709/238; 709/203; 709/220; 709/223; 709/245; 709/249; 709/246; 709/250; 709/1; 709/237; 709/229; 709/224; 709/242; 709/228; 370/552; 370/16; 370/60; 370/94.01; 370/404; 380/23; 380/25; 380/48; 380/28; 345/356

L7 ANSWER 4 OF 6 USPATFULL  
AN 1999:143155 USPATFULL  
TI Method of testing a switched local area network  
IN Pendleton, Blair D., Colorado Springs, CO, United States  
Arndt, Manfred R., Colorado Springs, CO, United States  
PA Fluke Corporation, Everett, WA, United States (U.S. corporation)  
PI US 5982753 19991109  
AI US 1997-871304 19970609 (8)  
DT Utility  
FS Granted  
LN.CNT 554  
INCL INCLM: 370/252.000  
INCLS: 370/254.000; 709/223.000  
NCL NCLM: 370/252.000  
NCLS: 370/254.000; 709/223.000

IC [6]

ICM: H04J001-1  
 ICS: H04J003-1 H04L012-28; H04L001-00  
 EXF 370/242; 370/243; 370/252; 370/241-55; 709/223; 709/224

L7 ANSWER 5 OF 6 USPATFULL  
 AN 1998:53025 USPATFULL  
 TI Method and apparatus for automatically configuring a network device to support a virtual network  
 IN Raab, Ilan, Sunnyvale, CA, United States  
 Manghirmalani, Ravi, Fremont, CA, United States  
 Doitel, Ofer, Saratoga, CA, United States  
 Izbicki, Lynne Marie, Cupertino, CA, United States  
 PA Bay Networks Group, Inc., Santa Clara, CA, United States (U.S. corporation)  
 PI US 5751967 19980512  
 AI US 1996-680113 19960715 (8)  
 RLI Continuation of Ser. No. US 1994-280275, filed on 25 Jul 1994, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1321  
 INCL INCLM: 395/200.580  
 INCLS: 395/200.500; 395/200.720  
 NCL NCLM: 709/228.000  
 NCLS: 709/220.000; 709/242.000  
 IC [6]  
 ICM: G06F015-177  
 ICS: G06F015-173  
 EXF 395/200.11; 395/200.1; 395/727; 395/375; 395/182.02; 395/200.54; 395/200.5; 395/200.72; 395/200.58

L7 ANSWER 6 OF 6 USPATFULL  
 AN 96:117254 USPATFULL  
 TI System for managing and operating a network by physically imaging the network  
 IN Kondo, Mariko, Yokohama, Japan  
 Nakamura, Teruo, Yokohama, Japan  
 Mori, Yumiko, Yokohama, Japan  
 Tsutsumi, Toshiyuki, Yokohama, Japan  
 PA Hitachi Software Engineering Co., Ltd., Kanagawa-ken, Japan (non-U.S. corporation)  
 PI US 5586254 19961217  
 AI US 1993-18430 19930216 (8)  
 PRAI JP 1992-26405 19920213  
 JP 1992-249890 19920918  
 DT Utility  
 FS Granted  
 LN.CNT 2972  
 INCL INCLM: 395/200.100  
 INCLS: 395/615.000; 340/825.030; 364/228.000; 364/229.400; 364/927.990  
 NCL NCLM: 714/025.000  
 NCLS: 370/254.000; 707/104.100; 709/223.000; 714/043.000  
 IC [6]  
 ICM: G06F015-40  
 ICS: G06F015-66; G06F013-94  
 EXF 395/51; 395/200; 395/600; 395/200.1; 340/825.03